

# Chapter 5 List of Preparers

## 5.1 Programmatic Supplemental Environmental Impact Statement Steering Committee

**Ronald Berg**, Deputy Regional Administrator, Alaska Regional Office, NMFS.

**James Coe**, Acting Science & Research Director, Alaska Fisheries Science Center, NMFS

**Steve Copps**, Fisheries Management Specialist, Office of Sustainable Fisheries, NMFS Headquarters.

**Steve Davis**, Fishery Biologist, Alaska Regional Office, NMFS.

**Marion MacPherson**, Attorney Advisor, Office of General Counsel for Fisheries, NOAA.

**Dr. Richard Marasco**, Director, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS.

**Dr. Clarence Pautzke**, Executive Director, North Pacific Fishery Management Council.

**Ramona Schreiber**, Environmental Policy Specialist, Office of Policy and Strategic Planning, NOAA.

**Lauren Smoker**, Attorney-Advisor, NOAA Office of General Counsel, Juneau, Alaska.

## 5.2 Project Team List

### Project Leaders

**Steve Copps**, Fisheries Management Specialist, Office of Sustainable Fisheries, NMFS Headquarters.

Coordinated the preparation of Chapter 4, The Environmental Consequences. Assisted the project team by reviewing the scoping comments and in the development of the overall analytical framework. Ten years experience in fisheries science. *B.S. in biology George Mason University.*

**Steve Davis**, Programmatic SEIS Project Manager. Fishery Biologist, Alaska Regional Office, NMFS. Provided overall project management and leadership of the Alaska Groundfish Fisheries Programmatic SEIS Project Team. Led scoping meetings, prepared the SEIS outline, and drafted sections in all chapters of the document. Directed and coordinated agency and contract analysts located in Anchorage, Juneau, and Seattle. Twenty years of fishery management experience in Alaska. Has drafted or led the preparation of more than 30 NEPA EISs and EAs. Served on the National Research Council's Bering Sea Ecosystem Committee. Has published a substantial body of work in the field of fisheries management and bycatch. Served on the staff of the North Pacific Fishery Management Council (Senior Biologist and Deputy Executive Director), and its Gulf of Alaska Groundfish Plan Team. *B.S. in biology University of Puget Sound, M.S. in fisheries science College of Fisheries, University of Washington.*

**Tamra Faris**, Fisheries Biologist, Alaska Regional Office, NMFS. Team leader for preparers from Alaska Regional Office. Served as principal lead analyst and project coordinator at the Regional Office. Provided assistance to the Project Manager at every stage of document development and preparation. Twenty-five years experience with the Federal Government working with marine fisheries conservation in Alaska. *B.S. University of Alaska, M.S. University of Washington.*

**Dr. Anne Babcock Hollowed**, Supervisory Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Provided leadership and direction to analysts tasked with model development and analysis of alternatives. Assisted in the preparation of the evaluation of biological impacts of alternatives on walleye pollock and assisted in the preparation of other sections. Twenty years experience as a fisheries biologist and has worked on North Pacific fisheries issues for the last 17 years. *M.S. in biological oceanography Old Dominion University, Ph.D. in fisheries University of Washington.*

**Dr. Loh-Lee Low**, Fisheries Research Biologist, Deputy Director, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Served as project coordinator at the AFSC. Was responsible for overall preparation of Chapter 3, The Affected Environment. Coordinated drafting of SEIS for AFSC and contributed sections of impact analyses for prohibited species and cumulative impacts. Member of the North Pacific Fishery Management Council's BSAI Groundfish Plan Team and leader since 1981; wide experience in stock assessments and impact analyses of fisheries and natural events on groundfish stocks off Alaska. *M.S. degree on salmon early life history and Ph.D. on Bering Sea groundfish population dynamics University of Washington.*

**Chris Oliver**, Deputy Executive Director, North Pacific Fishery Management Council. Served as project coordinator for the Council staff. Assisted in the preparation and review of sections describing the Council process, the history and evolution of the groundfish FMPs, and the socioeconomic analysis. Fourteen years experience in fisheries management. *B.B.A. in Business Administration and M.A. degree in Fisheries Science Texas A&M University.*

### **Contributors**

**Patsy A. Bearden**, Resource Management Specialist, Sustainable Fisheries Division, Alaska Regional Office, NMFS. Contributed to the Groundfish and PSC Monitoring and Inseason Fishery Management description in Chapter 2, prepared figures of management and statistical areas. Ten years experience with NMFS writing fisheries regulations, preparing fisheries statistics and presentations, and presenting regulations workshops to the fishing industry. *M.A. in geography, emphasis in satellite imagery San Diego State University, California.*

**Sally Bibb**, Economist and CDQ Program Coordinator, Sustainable Fisheries Division, Alaska Regional Office, NMFS. Prepared Environmental Consequences section on Effects of the Alternatives on Enforcement and Management, contributed to CDQ program descriptions in Chapter 2. Fifteen years experience in fisheries management and research. *M.A. in Agricultural Economics Washington State University.*

**Rebecca Campbell**, Secretary, Sustainable Fisheries Division, Alaska Regional Office, NMFS. Prepared document with literature coding and generated the literature cited sections. Seventeen years experience as a secretary working for the State and Federal governments, and in the private sector.

**Shane Capron**, Fisheries Biologist, Protected Resources Division, Alaska Region, NMFS. Prepared the section on endangered species act considerations. Two years experience as a fisheries biologist. *M.S. in zoology University of New Hampshire.*

**David Clausen**, Research Fisheries Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS. Prepared impact of alternatives sections on other slope rockfish in the GOA and pelagic shelf rockfish. Twenty two years experience with NMFS working on Alaskan groundfish. *B.A. in biology Occidental College, Los Angeles, California..*

**Catherine Coon**, Fisheries Analyst/GIS specialist, North Pacific Fishery Management Council. Prepared tables on history of regulatory closure areas. Six years experience as fisheries biologist. *M.S. in fisheries science University of Alaska, Fairbanks.*

**Dean Courtney**, Research Fisheries Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS. Prepared impact of alternatives section on northern rockfish. Two years experience with the Auke Bay Laboratory working on sablefish and rockfish. *M.S. in Fisheries University of Alaska Fairbanks.*

**Dr. Doug DeMaster**, Director, National Marine Mammal Laboratory. Alaska Fisheries Science Center, NMFS. Impacts of alternative fishery management approaches on pinnipeds and cetaceans. Twenty-seven years experience studying marine mammals; past president of the Society for Marine Mammalogy and current vice-Chair of the Scientific Committee of the International Whaling Commission. *Ph.D. Department of Ecology and Behavioral Biology, University of Minnesota.*

**Jane DiCosimo**, Fisheries Biologist, North Pacific Fishery Management Council. Sixteen years experience as a fisheries biologist with State and Federal agencies. Assisted in preparation of FMP summaries and prepared sections reflecting current management regime with regard to target and non-target species. *B.A. Rutgers University, M.S. in marine science Virginia Institute of Marine Science, College of William and Mary.*

**Elaine Dinneford**, Fisheries Analyst, North Pacific Fishery Management Council. Provided catcher vessel harvest data used in Chapter 3. Nineteen years experience evaluating, maintaining and presenting Alaska fisheries harvest data for the State of Alaska Commercial Fisheries Entry Commission and NPFMC. *B.S. in Microbiology Humboldt State College, California.*

**Dr. Martin Dorn**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Assisted with the writing of the section on groundfish resource survey and assessment process carried out by NMFS for the management of Alaska's groundfish resources. Thirteen years of experience in fishery biology/population dynamics and groundfish stock assessment modeling. *M.S. in biomathematics and Ph.D. in fisheries University of Washington*

**Gary Duker**, Technical Publications Writer/Editor (Biological Sciences), Office of the Science and Research Director, Alaska Fisheries Science Center, NMFS. Edited document and assisted with layout. Ten years experience as a fisheries biologist and twelve years experience as a writer/editor for NMFS. *B.S. in biology San Diego State College, M.S. in fisheries University of Washington.*

**Dr. Richard C. Ferrero**, Planning Officer/Fishery Biologist, Office of the Director, Alaska Fisheries Science Center, NMFS. Teamleader for the development of marine mammal alternatives and analyses. Twenty years experience working with marine mammals and fisheries. *B.S. in wildlife management University of Maine, Master of Marine Affairs and Ph.D. in wildlife science University of Washington.*

**Dr. Charles W. Fowler**, Fisheries Biologist, Systemic Management Studies Program Leader, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS. Prepared materials on systemic management alternative in Chapter 4. Thirty seven years experience, teaching, and research in fisheries biology, population dynamics and ecosystem sciences with ten years devoted to systemic management science. *M.S. and Ph.D. in Fisheries Biology University of Washington.*

**Lowell Fritz**, Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Assisted in the preparation of Alternative 2 and the determination of its impacts. Ten years experience as a fisheries biologist with NMFS, and twelve years experience as a marine biologist with Rutgers University, New Jersey, and College of William and Mary, Virginia. *M.S. in Marine Science Virginia Institute of Marine Science, College of William and Mary.*

**Dr. Jeff Fujioka**, Mathematical Statistician, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS. Prepared impact of alternatives section on Pacific ocean perch, Shortraker/rougheye rockfish, and Other Rockfish. Thirty years experience in fisheries biology, eighteen years experience in groundfish research. *Ph.D. in Fisheries University of Washington.*

**Sarah Gaichas**, Research Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Non-target species workgroup leader. Five years experience as a fisheries biologist. *M.S. in Marine Science Virginia Institute of Marine Science, College of William and Mary.*

**Jay Ginter**, Fishery Management Biologist, Sustainable Fisheries Division, Alaska Region, NMFS. Prepared sections on the fishery management process and early (pre-1976) history of the groundfish fisheries in section 2. Twenty years experience working in federal fisheries management, the most recent 15 years have been in the Alaska Region. *M.S. in Marine Environmental Studies State University of New York, and additional graduate study in marine fisheries management at the University of Washington.*

**Lori Gravel**, Management Support Specialist, Operations Management and Information Services, Alaska Regional Office, NMFS. Prepared Appendices listing Bering Sea and Aleutian Islands and Gulf of Alaska Fishery Management Plan amendments and their implementing regulations and regulatory rulemaking; dates of NEPA analysis and their FONSI dates. Maintains administrative records for the analysis.

**Linda D. Green**, Executive Secretary, Regional Administrator's Office, Alaska Region, NMFS. Provided technical editing. Twenty years Federal Government and private sector experience.

**Dr. Jonathan Heifetz**, Fishery Research Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS. Lead author for the section "Effects of the Alternatives on Habitat including Essential Fish Habitat". Nineteen years experience as a fisheries biologist involved with stock assessment and effects of fishing gear on benthic habitat. *M.S. in fisheries Humboldt State University, Ph.D. in fisheries University of Alaska.*

**Nick Hindman**, Fisheries biologist, Sustainable Fisheries Division, Alaska Region, NMFS. Co-authored Descriptions of Fisheries in the Bering Sea and Aleutian Islands in Chapter 2. Nine years experience managing commercial fisheries, six years experience conducting fisheries research. *B.S. in fisheries University of Idaho.*

**Dr. Dan Holland**, Economist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Assisted with developing the alternative 6 model regime; preparing data for the models used to make the catch, exvessel value and product value projections for the six alternative model regimes; summarizing those projections; and describing the expected effects of the alternative 6 model regime. Four years experience assessing fishery management issues including two years at the Alaska Fisheries Science Center. *Ph.D. in economics University of Rhode Island.*

**Dr. Jim Ianelli**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Wrote a version of the multispecies management model used as background for the SEIS and assisted in the preparation of a number of subsections. Twenty years experience in fisheries research and contributes annually to a number of stock assessment and fishery evaluation documents. *Ph.D. University of Washington.*

**Nicole Kimball**, Fisheries Analyst, North Pacific Fishery Management Council. Prepared sections on effects of the current regime on marine mammals and seabirds and was a major contributor to the FMP amendment summaries. One year experience as an analyst with the NPFMC, three years as a coastal planner, and two years as an environmental scientist. *B.S. in Natural Resource Management and M.A. in Environmental Policy Tufts University.*

**Alan Kinsolving**, Fisheries Regulation Specialist, Sustainable Fisheries Division, Alaska Regional Office, NMFS. Prepared Environmental Consequences section on Energy Requirements and Conservation Potential

of Various Alternative Regimes in Chapter 4, and drafted Affected Environment sections on target fish species for 1998 SEIS which are reused in programmatic SEIS. Twelve years experience as a fisheries biologist including work on environmental impact issues in Arizona, Alabama, Bolivia, American Samoa and Alaska. *M.S. in fisheries biology Auburn University.*

**James Lee**, Writer-Editor, Office of the Science and Research Director, Alaska Fisheries Science Center, NMFS. Edited document and assisted with layout. Seventeen years experience in fisheries research with the ADF&G, ODF&W, and NMFS. *B.S. in Fisheries and Technical Journalism from Oregon State University.*

**Dr. Todd Lee**, Economist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Assisted with developing the socioeconomic model regime; preparing the models used to make the catch, exvessel value and product value projections for the alternative model regimes; and summarizing those projections. Four years of experience assessing fishery management issues including two years at the Alaska Fisheries Science Center. *Ph.D. in economics University of Washington.*

**Patricia Livingston**, Fishery Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Prepared effects of the alternatives on the ecosystem. Twenty years experience in trophic ecology and ecosystem modeling of North Pacific ecosystems. Program leader of Resource Ecology and Ecosystem Modeling Program. *M.S. in quantitative fisheries management University of Washington and MPA in natural resource administration University of Washington.*

**Dr. Thomas R. Loughlin**, Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NMFS. Helped prepare marine mammal section and reviewer for impact sections. Twenty three years as a marine biologist. *M.A. in biology Humboldt State University, Ph.D. UCLA*

**Sandra Lowe**, Research Fisheries Biologist, Resource Ecology and Fisheries Management, Alaska Fisheries Science Center, NMFS. Coordinated Alternative 3, Regime to Increase Protection to Target Species. Prepared the description of Alternative 3 and assisted in the preparation of the impacts of the alternatives on target groundfish species. Seventeen years experience as a fisheries biologist working on stock assessments of North Pacific groundfish. Member of the North Pacific Fishery Management Council's Gulf of Alaska Plan Team since 1987, and has chaired the Plan Team since 1991. *M.S. in fisheries University of Washington.*

**Dr. Robert McConnaughey**, Fisheries Biologist, Resource Assessment and Conservation Engineering Division, Alaska Fisheries Science Center, NMFS. Member of Habitat Working Group. Also contributed to sections on fishing gear effects, benthic invertebrates, Habitat Areas of Particular Concern (HAPC) and Bering Sea substrates. *B.S. in Zoology and M.S. in Marine and Estuarine Environmental Sciences University of Maryland, Ph. D. in Fisheries Science University of Washington.*

**Nina Mollett**, Fisheries Regulations Writer, Sustainable Fisheries Division, Alaska Regional Office, NMFS. Prepared Essential Fish Habitat Considerations, co-author on Fishing Gear Effects On Substrates and Benthic Communities and Effects of the Alternatives on Habitat, participated in development of the alternative to increase protection to habitat, and provided editorial assistance. *M.S. in Resource Economics University of Alaska, Fairbanks.*

**Victoria O'Connell**, Fisheries Biologist, Groundfish Project, Southeast Region, Alaska Department of Fish and Game. Prepared impact of alternatives section on demersal shelf rockfish. Twenty years of experience as a fishery biologist related to research and management of commercial marine fisheries. *B.S. University of Washington, School of Fisheries.*

**Dr. Clarence Pautzke**, Executive Director, North Pacific Fishery Management Council. Advising the U.S. Secretary of Commerce on management of fisheries in the federal 3 - 200 mile Exclusive Economic Zone off Alaska since 1988. Prepared the Evolution of Fishery Management Plans in Chapter 2. Eight years experience as the Council's Deputy Director from 1980 to 1988, and Assistant to the Executive Director of the Pacific States Marine Fisheries Commission in Portland, Oregon, from 1978 to 1980. *Ph. D. in oceanography from the University of Washington, Seattle.*

**Thomas Pearson**, Fisheries Biologist, Sustainable Fisheries Division, Alaska Regional Office, NMFS. Prepared Descriptions of Fisheries in the Gulf of Alaska in Chapter 2. Eighteen years experience in commercial fisheries in Alaska. *M.A. in Systematics and Ecology from the University of Kansas.*

**Rebecca F. Reuter**, Fisheries Biologist/GIS Analyst, Pacific States Marine Fisheries Commission. Provided GIS and other technical support for alternatives with time/area closures (socio-economic, habitat, non-target species and target species alternatives) for the staff at the Alaska Fisheries Science Center. Provided support on preparing impact to non-target species other than squid, grenadiers and skates. Three years experience as fisheries biologist and GIS Analyst. *M.S. in Marine Sciences from Moss Landing Marine Labs, California State Universities.*

**Kim Rivera**, Wildlife Biologist, Protected Resources Division, Alaska Regional Office, NMFS. Prepared Environmental Consequences section on Seabirds, contributed material to Affected Environment sections about Endangered Species Act Considerations for seabirds, and coordinated review by US Fish and Wildlife Service of some seabird sections. Seven years experience with NMFS. *M.S. in zoology from Colorado State University.*

**Dr. Craig S. Rose**, Research Fisheries Biologist, Resource Assessment and Conservation Engineering Division, Alaska Fisheries Science Center, NMFS. Prepared summary of research on effects on fishing on seabed communities and member of the committee to generate alternatives focused on habitat issues. Twenty-three years experience as a fisheries biologist, and team leader of the AFSC fishing gear research program for thirteen years. *M.S. and Ph.D. in Fisheries Biology from the University of Washington.*

**Susan Salvesson**, Assistant Administrator, Sustainable Fisheries Division, Alaska Region, NMFS. Prepared Description of Fisheries in the BSAI and GOA in Chapter 2. Twenty years experience as a fisheries biologist. *M.S. in Fisheries Biology from University of Alaska, Southeast.*

**Maria Shawback**, Graphic Artist/Secretary, North Pacific Fishery Management Council (NPFMC). Formatted and finalized the SEIS Fishery Management Plan Amendment summaries document for publication and coordinated the graphics and layout throughout. Eight years experience working with computer graphics, websites, and providing administrative support - the last year with the NPFMC. *BFA in Commercial Art from Utah State University, Logan, Utah (cum laude).*

**Dr. Michael Sigler**, Mathematical Statistician, Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS. Prepared impacts of the alternatives on sablefish in Alaska. Sixteen years experience with stock assessment and population dynamics. *B.S. and M.S. from Cornell University and Ph.D. from University of Washington.*

**Dr. Paul Spencer**, Research Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Contributed to the effects of the alternatives on essential fish habitat section, and prepared the impact the alternatives section on flathead sole and other flatfish. Three years experience as a NMFS research fisheries biologist, and three years experience as a research fishery

biologist with the Minnesota Department of Natural Resources. *Ph.D. in Oceanography from the University of Rhode Island.*

**Dr. Gary Stauffer**, Fishery Biologist and Director, Resource Assessment and Conservation Engineering Division, Alaska Fisheries Science Center, NMFS. Prepared section on groundfish resource survey and assessment process carried out by NMFS for the management of Alaska's groundfish resources. Twenty seven years of experience in fish population dynamics, resource assessment surveys and research administration for the NMFS. Served on plan teams for Anchovy Management Plan (Pacific Fishery Management Council, and the Gulf of Alaska Groundfish Management Plan (North Pacific Fishery Management Council). Served on the Scientific and Statistical Committee of the PFMC for 15 years, chaired the committee for 8 years. *M.S. and Ph. D. in Fisheries at the University of Washington, College of Fisheries.*

**Dr. Joe Terry**, Economist, Socioeconomic Assessments Program Leader, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Assisted with developing the alternative 6 model regime; preparing the models used to make the catch, exvessel value and product value projections for the six alternative model regimes; and summarizing those projections. Twenty-four years of experience assessing effects on fisheries off Alaska. *Ph.D. in economics from the University of California, Santa Barbara.*

**Dr. Grant Thompson**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Prepared the evaluation of biological impacts of alternatives on Pacific cod as a target species. Twenty two years experience in fisheries research. Currently a stock assessment analyst and is responsible for contribution to two stock assessment and fishery evaluation documents for the North Pacific Fishery Management Council. *M.S., Ph.D. Oregon State University.*

**Galen Tromble**, Fisheries Biologist, Sustainable Fisheries Division, Alaska Region, NMFS. Prepared the Groundfish and Prohibited Species Catch Monitoring and Inseason Fishery Management in Chapter 2. Nine years experience with NMFS as chief of the inseason management branch, responsible for quota monitoring and fishery information. *B.S. in Fisheries from the University of Alaska, Juneau.*

**Benjamin J. Turnock**, Fishery Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Prepared the Arrowtooth flounder and other flatfish in the Gulf of Alaska sections. Twenty years experience as a fishery biologist working on stock assessment of marine fish, population dynamics modeling and population estimation methods of fish and marine mammals. *Working on a Ph.D. in fisheries science at the University of Washington.*

**Tom Wilderbuer**, Fishery Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS. Prepared impact analyses sections on Bering Sea and Gulf of Alaska flatfish species. Twenty years experience as a fishery biologist working on stock assessment of flatfish populations off Alaska. *M.S. degree in fisheries from the University of Washington.*

**David Witherell**, Plan Coordinator, North Pacific Fishery Management Council. Prepared discussion of ecosystem-based management and history of habitat protection measures. Fifteen years experience as a fisheries biologist. *M.S. in fisheries biology from the University of Massachusetts, Amherst.*

### 5.3 Consultant Team List

#### Project Leaders

**Jim Glaspell**, Associate Biologist, Environmental/Planning, URS Anchorage. Consultant team deputy project manager. NEPA process, coordinated consultant team reviews and assistance to NMFS; review of affected environment and environmental consequences; input to cumulative effects analysis. Twenty-six years of Alaska experience in evaluating the effects of development activities and natural resource use on biological communities and the affected ecosystem. *B.S. Forest Technology, Pennsylvania State University. M.S. Wildlife Management, Pennsylvania State University.*

**Jon Isaacs**, Associate Planner, Environmental/Planning, URS Anchorage. Consultant team project manager. Assisted with EIS scoping and issue identification; lead for NEPA process oversight; contributor to cumulative effects analysis. Twenty-six years of Alaska experience, primarily in NEPA compliance, coastal management and community planning. Participated in preparation of 15 EIS's and numerous EAs. *B.A. Environmental Studies, University of California, Santa Barbara. Graduate Studies Planning and Economics, University of Alaska, Anchorage.*

#### Task Leaders

**Sue Ban**, Project Biologist, Health & Safety Officer, URS Anchorage. Co-task leader for cumulative impact analysis for the consultant team. Coordinated historical review and development of cumulative impact analysis approach; assimilated impact analyses from environmental consequences narratives. Fifteen years of experience in EISs/EAs and ecological risk assessments under NEPA. *B.S. Biology, Pennsylvania State University, M.S. Biological Oceanography, Florida Institute of Technology.*

**Marcus Hartley**, Senior Economist, Northern Economics, Inc. Serves as the Socioeconomics task leader for the project consultants. Coordinated preparation of the sector and regional profiles. Twelve years of direct experience as a fisheries economist in Alaska - four years as Senior Economist for the North Pacific Fishery Management Council and three years as senior economist with Northern Economics. Has prepared more than fifteen EISs/EAs on fisheries in Alaska. *B.A. History, Lewis and Clark College, M.S. Agriculture and Resource Economics, Oregon State University.*

**William J. Wilson**, Senior Marine Biologist and Managing Director, LGL Alaska Research Associates, Inc. Task leader for ecosystem issues for the project consultants. Twenty-nine years of experience as a fishery research and management biologist specializing in marine ecology. Member of the North Pacific Fishery Management Council staff assigned to the groundfish FMPs during 1988-1990. Has prepared more than 10 NEPA EISs/EAs. *B.S. Biology, Gonzaga University; M.S., Fisheries, Oregon State University.*

#### Contributors

**Tara Bellion**, Project Biologist, URS Fairbanks. Consultant team technical editing and writing. Experienced in research and synthesis of documents and data for technical writing of EISs and EAs. *B.S. Marine Science and Biology, University of Tampa, Florida.*

**Joyce Payne Bowers**, Staff Biologist, URS Anchorage. Assisted consultant team in the historical review of cumulative impacts issues. Has a broad background of technical experience in bioassessments, fauna and flora surveys, environmental sampling, data management, educational material development, and implementation of NPDES compliance programs. *B.S. Agricultural Biology, New Mexico State University, M.S. Agricultural Biology, Entomology Option, New Mexico State University.*



**Patrick Burden**, President and Principal Economist of Northern Economics, Inc., Anchorage. Contributor and senior reviewer for socioeconomic evaluation and assessment for the consultant team. Twenty-five years of economic consulting experience, including significant involvement in analyzing impacts of groundfish and crab management regulations on communities and infrastructure development projects throughout Alaska. *B.S. Business Administration, Portland State University; M.S. Economic Geography, Portland State University; Graduate work toward Ph.D. with emphasis on regional economics and modeling, University of Washington.*

**Don Calkins**, Wildlife Biologist, Calkins Wildlife Consulting, Anchorage. Expert review of marine mammal sections for the consultant team. Thirty years experience conducting research on marine mammals in Alaska. Project leader on Steller sea lion research for Alaska Department of Fish and Game from 1975 through 1997 and has published extensively on his work. Served as Senior Marine Mammal Scientist at the Alaska SeaLife Center for two year after retiring from Alaska Dept. of Fish and Game. *B. A. Biology Western Washington State University; M.S. Wildlife Management, University of Alaska Fairbanks, Alaska Cooperative Wildlife Research Unit.*

**Joyce Congdon**, Word Processor, URS Anchorage. Served as Senior Wordprocessor during the preparation of this SEIS. Twenty-five years of keyboarding and administrative experience. Responsible for coordination and preparation of all types of written and electronic deliverables. *A.A. General Studies, University of Alaska, Anchorage.*

**Dr. Michael Downs**, Principal and Senior Social Scientist, KEA Environmental. Author of the regional component of the socioeconomic analysis for the consultant team. Has performed socioeconomic assessments related to resource development and management in Alaska for the past 19 years, as well as in the lower 48 and the Caribbean. Ten years experience with North Pacific groundfish management social impact assessment as a contractor to the North Pacific Fishery Management Council. *Ph.D. Cultural Anthropology, University of California, San Diego.*

**Dave Erikson**, Senior Biologist, URS Homer. Co-task leader for ecosystem and resource issues for the consultant team. Over 20 years of experience specializing in biological studies. His coastal and marine ecosystem project involvement includes early baseline studies for the Outer Continental Shelf Environmental Assessment Program in Cook Inlet, Prince William Sound and the Gulf of Alaska; shoreline damage assessment studies following the Exxon Valdez Oil Spill; and a wide range of terrestrial and marine environmental studies in support of EISs on resource development projects in Alaska. *B.S. Wildlife Biology, University of Nevada, Reno, Nevada; M.S. Biology, University of Nevada, Reno, Nevada.*

**Dr. Bob Fechhelm**, Senior Fishery Biologist/Ecologist, LGL Alaska Research Associates. Consultant team input to the analyses of fisheries cumulative effects. Has worked on Alaskan marine fisheries studies for the past 19 years. Assisted with preparation of EISs for the U.S. Navy, U.S. Air Force, and the Minerals Management Service. *B.S. Marine Science, Southampton College, New York; M.S. Wildlife and Fisheries Science, Texas A&M University, College Station, Texas; Ph.D. Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas.*

**Sunny Fields**, Office Administrator/Technical Editor, URS Anchorage. Assisted with report production. More than 30 years of administrative experience. For this SEIS, she served as a technical editor and performed various editing and writing assignments.

**Dr. Mark Fina**, Economist at Northern Economics, Inc. Contributing author of the socioeconomic sections prepared by the consultant team. Recently completed a year of study in natural resource

economics in Finland on a Fulbright grant. His research has focused on environmental and natural resource economics. *B.A. Mathematics and Government, Skidmore College; J.D., University of Minnesota Law School; Ph.D. Agricultural and Applied Economics, Virginia Polytechnic Institute and State University.*

**Michael Galginaitis**, Anthropologist/Social Scientist, Applied Sociocultural Research, Anchorage. Responsible for description of the human affected environment and assessment of potential socioeconomic effects for the Alaskan OCS subregions for the consultant team. Owner and sole proprietor of Applied Sociocultural Research (3 years) and 18 years of Alaskan experience evaluating the socioeconomic effects of natural resource development projects at the community, regional, and state level. *B.A. Social and Behavioral Science, The Johns Hopkins University; Ph.D. (in progress) Anthropology, The State University of New York at Binghamton.*

**Ms. Karen Granzow**, Technical Editor, URS Seattle. Consultant team technical editing tasks. Ms. Granzow has 20 years of experience as a senior technical writer and editor. She has extensive project involvement with interdisciplinary documents and detailed technical reports under the direction of researchers and scientists. Ms. Granzow is a member of the Society for Technical Communication. *B.A. (1976) English, University of California, Berkeley.*

**Dr. Lewis Haldorson**, Professor, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks. Contributing author to consultant team input to description of the marine ecosystem. Teaches and conducts research in marine fish biology. Has studied fish populations in marine ecosystems around Alaska for over 20 years. *B.A. (1963) Zoology, University of Minnesota; M.S. (1973) Population Biology, University of California Santa Barbara; Ph. D. (1978) Population Biology, University of California Santa Barbara.*

**Dr. Hart Hodges**, Senior Economist at Northern Economics, Inc. Contributing author of the socioeconomic sections prepared by the consultant team. Thirteen years of experience in economic analysis and planning for projects that require understanding of complex interrelationships among government, businesses, and natural and human resources. Has recent experience in impact assessment for several projects involving fisheries issues that affect Alaska communities. *B.A. American Studies, Williams College; M.S. Environmental Management; Ph. D. Economics, University of Washington.*

**Ms. Andrea Jarvela**, Freelance Editor and Writer, Seattle. Consultant team technical editing tasks. Provided technical edit review assistance to NMFS and coordinated efforts of technical edit team for URS. Ms. Jarvela has 31 years of experience as an editor and writer. She has held positions as Publications Editor and Research Editor, and was Senior Editor for the University of Washington Sea Grant Program from 1977-1985. Ms. Jarvela has also provided editing and production services to the Marine Board, National Research Council. *B.A. English, University of Washington.*

**Earl L. Kubaskie, Jr.**, CADD/TI Supervisor, URS Anchorage. Assisted with report production and technical illustration. Ten years of technical experience working on NEPA projects.

**Lisa R. Loy**, Project Planner, URS Anchorage. Consultant team input to the historical evaluation of social and economic cumulative impacts; scoping and NEPA process; document review and consolidation. Four years of experience in regulatory compliance and permitting services. *B.S. Sociology, Oregon State University, M.S. Natural Resources, Washington State University.*

**Kimberly P. Morris**, Staff Environmental Analyst, URS Anchorage. Assisted with scoping hearings and the preparation of the scoping report. Experienced with public involvement and community relations, with emphasis in the preparation of Environmental Impact Statements (EISs) and Environmental Assessments

(EAs). Provided analysis throughout the scoping process and assisted in the preparation of the Programmatic Alaska Groundfish Fisheries SEIS Scoping Report. *B.A. English, Whitman College, Walla Walla, Washington.*

**Robert Senner**, Project Biologist, LGL Fairbanks. Responsible for developing the consultant team cumulative effects methodology. Twenty-three years of Alaska experience in environmental program management, impact assessment, and preparation of NEPA documents. *B.S. Biology, Yale University, D.Phil. Certification Physiology, University of St. Andrews, Ph.D. Candidate, Public Policy, The University of Texas at Austin.*

**Ms. Christine Sophos**, Technical Editor, URS Seattle. Consultant team technical editing tasks. Ms. Sophos has 12 years of experience as a technical writer and editor. She has edited and written technical publications for remedial investigations, feasibility studies, environmental impact statements, and plans for environmental investigations. Ms. Sophos holds certification from the Board of Editors in the Life Sciences. *B.S. (1991) Technical Communication, University of Washington.*

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